

New Abstract

A narrowband interference excision method and apparatus. According to one embodiment, a method for narrowband interference excision is disclosed. The method comprising transforming time domain data into a frequency domain vector having a plurality of frequency bins. The method further comprises estimating a plurality of power values corresponding to frequency bins of the frequency domain vector to obtain a current power vector. Then, calculating an average power vector from the current power vector and at least one selected previous power vector. Further, excising selected frequency bins of the frequency domain vector to produce an excised frequency domain vector. Moreover, determining whether to include the average power vector in future average power vector determinations. In another embodiment, a narrowband interference excision apparatus is disclosed.